

BIRMAN, N.Ya.; SINDILEVICH, L.M.

Determining weight coefficients in the correlation method of
written character recognition. NTI no.1:23-24 '64. (MIRA 17:3)

L 32832-66 EWT(d)/T/EWP(1) IJP(G) BB/GG/GR/JATC/17
ACC NR: AT6008558 SOURCE CODE: UR/0000/65/000/000/0025/0035

57
B+1

AUTHOR: Birman, N. Ya.; Kharchina, S. V.; Tsareva, Ye. S.

ORG: None

TITLE: Statistical processing of printed symbols by computer 16C

SOURCE: AN SSSR. Institut nauchnoy informatsii. Chitayushchiye ustroystva (Reading devices).
Moscow, VINITI, 1965, 25-35

TOPIC TAGS: information theory, statistics, pattern recognition, adaptive print reader

ABSTRACT: The authors study the problems associated with statistical processing of printed symbols by computer. Various methods and equipment for feeding printed symbols into computers are discussed. A unit was developed at the laboratory of electrosimulation VINITI AN SSSR (LABORATORIYA ELEKTROMODELirovaniya VINITI AN SSSR) for feeding printed symbols into computers. This unit is free of intermediate information carriers both with respect to static and dynamic conditions. The laboratory LEM-1 computer was used for processing data. The magnetic operational storage capacity of this computer is 2048 24-digit numbers. The computer can perform 1000 operations per second. The logic part of the apparatus for feeding symbols into the computer and the computer itself are made up of ferrite diode logic modules. The symbols are studied in the static state by using a counter. A diagram is given for this counter and its components. The problems of simulating symbol recognition on a computer are studied. The effect of noises which are superimposed on the symbol are considered. The

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L 32832-66

ACC NR: AT6008556

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results of the study show that the distance between two averaged standards for the majority of symbols is much greater than the sum dispersion of the symbols. The quality of recognition decreases with field overlapping of the symbols. Dispersion of straight symbols such as H or T is 1.5 to 2 times lower than for round letters. The fragment methods are discussed. The fragment method used can be improved by the addition of several thresholds, up to 5, and several gradations in weight, up to 10. This will result in increasing the reliability of recognition. Orig. art. has: 7 figures, 2 tables, and 6 formulas.

SUB CODE: 09, 12 / SUBM DATE: 09Sep66 / ORIG REF: 005 / OTH REF: 005

LS
Card 2/2

BIRMAN, R.

AUTHOR: Birman, R.

133-8-10/28

TITLE: The use of exothermic mixtures and exothermic tops for heating the top part of ingots. (Primeneniye ekzotermichesk-ykh smesey i ekzotermicheskikh nadstavok dlya podogreva golovnoy chasti slitka).

PERIODICAL: "Stal'" (Steel), No.8, 1957, p.718 (USSR).

ABSTRACT: Abstracted from "British Steelmaker", 1957, No.1
There are 2 figures.

AVAILABLE: Library of Congress

Card 1/1

BIRMAN, R.
BIRMAN, R., referent

~~Roll~~ furnace for the vertical annealing of sheets (from "Stahl und Eisen" no.26, 1956). Stal' 18 no.1:89-91 Ja '58.

(MIRA 11:1)

(Germany, West--Furnaces, Heat-treating)

BIRMAN, R.S.

Changes in the process of deoxidation and alloying of the 1002
steel. Biul. TSNIIKHEM no.5:46 '58. (MIRA 11:5)

1. Zavod "Serp i molot."
(Steel--Metallurgy)

BIRMAN, R., referent.

Cold-drawn steel production in the United States (from "Stahl und Eisen" no.13, 1957). Stal' 18 no.4:368-369 Ap '58. (MIRA 11:5)
(United States--Drawing (Metalwork))

BIRMAN, R.S.

Mechanizing the feeding of oval strips to blooming rolls. Bnl.
TSNIICHM no. 4:44 '58. (MIRA 11:5)

1. Zavod "Serp i molot."
(Rolling mills)

BIRMAN, R.S.

Mechanization and automation of the grinding of sizing rods.
Biuł. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i
tekhn. inform. 17 no.12:25-27 D '64. (MIRA 18:3)

BIRMAN, R.S.

Introduction of new equipment at the "Serp i Molot" Metallurgical
Plant. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch.i tekhn.
inform 17 no.11:84-86 N '64. (MIRA 18:3)

ACC NR: AP6029954 (A, N) SOURCE CODE: UR/0413/66/000/015/0133/0134
IJP(c) JD

INVENTORS: Baranov, N. A.; Birman, R. S.; Bugrov, M. S.; Nozdrin, V. R.; Dneprov, A. L.; Babkov, G. V.; Loginov, L. A.

ORG: none

TITLE: An automatic line⁴ for continuous adjusting, cutting, and inspecting for the presence of surface defects and for the type of steel or the hardness of metallic rods. Class 49, No. 184589 [announced by Moscow Metallurgical Plant "Sickle and Hammer" of the Order of Lenin and the Order of the Workers' Red Banner (Moskovskiy ordena Lenina i ordena Trudovogo Krasnogo Znameni metallurgicheskiy zavod "Serp i molot")]

SOURCE: Izobret prom obraz tov zn, no. 15, 1966, 133-134

TOPIC TAGS: metalworking, automation, industrial automation, automatic control equipment

ABSTRACT: This Author Certificate presents an automatic line for continuous adjusting, cutting, and inspecting for the presence of surface defects and for the type of steel or hardness of metallic rods. To improve its efficiency and the quality of inspection, the line contains a combination of consecutively mounted (along the course of the technological process): an assembly for adjusting and cutting the ends of the rods; an assembly for a simultaneous inspection of the rods for the presence of surface defects and for the type of steel or for the hardness (by a defectoscopic

Card 1/3

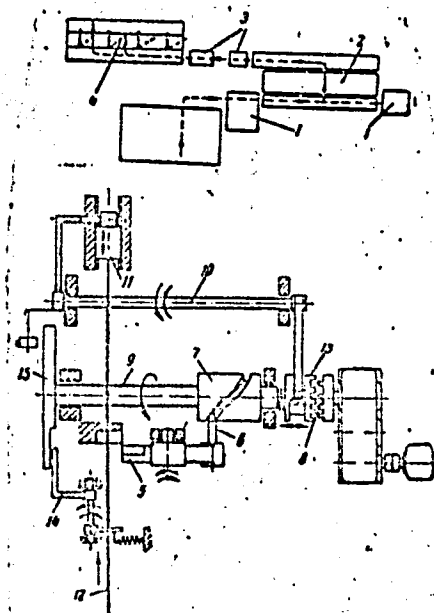
UDC: 620.179.6-422-2

L 09258-67

ACC NR: AP6029954

assembly); and an assembly for sorting the usable and the defective rods (see Fig. 1).

Fig. 1. 1 - assembly for adjusting and cutting; 2 - assembly for dismounting and transporting; 3 - defectoscopic assembly; 4 - assembly for sorting the usable and the defective products; 5 - movable blade; 6 - knife finger; 7 - knuckled drum; 8 - clutch; 9 - roller; 10 - lever; 11 - movable carriage; 12 - rod; 13 - semiclutch; 14 - lever; 15 - sprocket



ACC NR: AP6029954

The assembly for adjusting and cutting of the rods being inspected may contain a lever shear with one movable blade. The shear contains a finger, a drum knuckle with a contoured recess for receiving the finger of the blade, a clutch mounted on one roller, a system of levers connected to a bearing carriage and absorbing the force of a blow from the moving rod being inspected and transmitting the movement to one of the semiclutches. The assembly for adjusting and cutting the inspected rods may also contain a mechanism for collecting the cut rods. This mechanism is made in the form of a lever kinematically connected to a sprocket mounted on the roller which also carries the knuckled drum and the clutch. Orig. art. has: 1 figure.

SUB CODE: 13.05 SUBM DATE: 10Dec63

Card 3/3 ^{4/2}

ACC NR: AP6016587

(A, N)

LUP(c) M.JW/JD

SOURCE CODE: UR/0129/66/000/005/0023/0025

AUTHOR: Kozlovskaya, V. I.; Potak, Ya. M.; Orzhekhovskiy, Yu. F.; Birman, S. I.

ORG: none

TITLE: Improving the notch toughness and ductility of martensitic stainless steel at -196C by means of reverse martensite transformation

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 5, 1966, 23-25

TOPIC TAGS: stainless steel, precipitation hardenable steel, martensitic steel, steel transformation, martensitic transformation, reversed transformation, steel mechanical property/08Kh15N5D2T steel

ABSTRACT: The possibility of using 08Kh15N5D2T (EP-410) precipitation-hardenable martensitic stainless steel (0.07% C, 15% Cr, 4.96% Ni, 1.96% Cu, and 0.18% Ti) for operation at subzero temperatures has been studied. At -196C, conventionally heat treated (annealed at 950C, quenched, and aged at 350—550C) steel has a very low notch toughness of 1 mkg/cm². To increase the notch toughness and ductility, reverse martensitic transformation was utilized to promote the formation of stable austenite. It was found that stable austenite is formed by annealing at 950C, air cooling, and subsequent aging at 575—625C for 3 hr. After this treatment, the steel contained 20—25% austenite which remained stable on cooling to -196C and considerably improved the characteristics of ductility. After aging at 600C, the respective

Cord 1/2

UDC: 669.14.018.84:620.178.2

ACC NR: AP6016587

mechanical properties at +20 and -196C were: tensile strength 90 and 140 kg/mm², yield strength 78 and 110 kg/mm², elongation 20 and 26%, and notch toughness 16 and 8 kgm/cm². Cyclic aging at 650—750C with 15 min cycles brought about a transformation-induced strain hardening and increased the notch toughness to 9 kgm/cm². Orig. art. has: 4 figures and 2 tables. 14 [AZ]

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 006/ ATD PRESS: 5007

Card 2/2 LC

BERNSHTEYN, M.L.; BIRMAN, S.R.; DEMINA, E.L.

Investigating polygonization in nichrome. Metalloved. i term. obr.
met. no.1:12-13 Ja '64. (MIRA 17:3)

1. Moskovskiy institut stali i splavov.

BIRMAN, S. Sh.

Perturbation of the spectrum of a singular elliptic operator
when the boundary and boundary conditions vary. Dokl. AN SSSR 137
no.4:761-763 Ap 61. (MIRA 14:3)

1. Leningradskiy gosudarstvennyy universitet im. A. A. Zhdanova.
Predstavleno akademikom V. I. Smirnovym.
(Operators(Mathematics))

ACCESSION NR: AP4010067

S/0129/64/000/001/0012/0013

AUTHORS: Bernshteyn, M.L.; Birman, S.R.; Demina, E.L.

TITLE: Investigation of polygonization in nichrome

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 1, 1964, 12-13

TOPIC TAGS: nichrome, Kh20N80 alloy, plastic deformation, elastic limit, polygonization, annealing

ABSTRACT: The conditions for treating Kh20N80 alloy causing polygonization were established. As a result of polygonization the resistance to small plastic deformation is increased 1.5-2 times. Annealing for 1 hour at 850C increases resistance to 1% deformation at 450C by 1.5 times; this value is increased somewhat more by annealing for 100 hours, then it decreases. For 4% deformation at 450C, optimum annealing is for 1 hour at 750C (increasing resistance 2 times); further annealing up to 40 hours reduces the elastic limit and with longer annealing the elastic limit remains

Card 1/2

ACCESSION NR: AP4010067

constant. Orig. art. has: 2 figures.

ASSOCIATION: Moskovskiy institut stali i splavov (Moscow Steel
and Alloy Institute)

SUBMITTED: 00

DATE ACQ: 07Feb64

ENCL: 00

SUB CODE: ML

NO REF SOV: 000

OTHER: 000

Card 2/2

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205330001-7

Thurman, S. E. On a problem of ...

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205330001-7"

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205330001-7

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205330001-7"

BIRMAN, S. YE.

USSR/Engineering
Statics
Mathematics - Applied

Mar 49
"Solving the Problem of Thin-Walled Beams by
Polynomials," S. Ye. Birman, 4 pp

"Dok Ak Nauk SSSR" Vol LXV, No 3

Solves problems for cantilever beams loaded in
various ways, torsion of a tubular beam of rectangular
cross section by moments, and position of the center
of curvature for a channel beam. Submitted by Acad
L. S. Laybenzon, 31 Jan 49.

39/49T32

BIRMAN, S.YE.

PA 41/49T32

USSR/Engineering
Beams - Stress Analysis
Torsion

Apr 49

"The Problem of Torsion in Tubular Beams With
Square Cross Sections," S. Ye. Birman, 3 pp

"Dok Ak Nauk SSSR" Vol LXV, No 4

Solution for torsion in the following problem:
two edges of a beam (vertical) are loaded with
tensile stresses $f(x)$, and the other two are
loaded with compressive stresses $f(x)$. Submitted
by Acad L. S. Leybenzon, 9 Feb 49.

41/49T32

... a revolution of a

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205330001-7"

BIRMAN, S.E.

Setting of rigid dies on elastic layers which are placed on non-compressible bases. Dokl.AN SSSR 93 no.5:791-794 D '53. (MLBA 6:12)

1. Predstavleno akademikom V.I.Smirnovym.
(Elastic solids) (Deformations (Mechanics))

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205330001-7

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205330001-7"

BIRMAN, S.Ye. (Leningrad)

Settlement of a rigid slab on soil layers resting on basement rock.
Inzh.sbor. 20:142-153 '54. (MIRA 8:7)
(Soil mechanics) (Foundations)

123-57-1-1082

On Problems Relative to Beams (cont)

All quantities necessary for the calculation of the beam are determined on the basis of the fulfillment of the contact conditions. Several special examples are examined.

1. Box beams--Stresses--Mathematical analysis

P. I. Klubin

Card 2/2

SOV/179-59-3-31/45

On the Strained State of High Vertical Rectangular Panels

the conditions (9) (∇^4 - biharmonic operator). Taking only one term of Eq (8), the function (10) is thus obtained. By defining Eq (11), the expressions (12) and (13) can then be obtained from Eq (10). Their solution can be determined as Eq (14) which can be used together with Eqs (6) and (10) in order to determine the formula (15). From this formula the stresses (16) are found. As an example, Eq (16) can be substituted into Eq (2) and thus the expression (17) found for $l/b = 4$ (Fig 2). The results calculated from Eq (17) are tabulated at the top of p 174 and illustrated in Fig 3 (dashed line). For two or more terms of Eq (8) the orthogonal function (18) can be utilised. Then the function $\phi(\xi, \eta)$ can be so represented that the corresponding system of differential equations is divided into two independent systems. In the case of two terms of Eq (8), the equations (19) and (20) are thus obtained, from which the expressions (21) and (22) and their solution (23) are defined. In this way, from Eqs (5), (6), (19) and (23) the formula (24) can be derived, which when substituted into Eq (2) for $l/b = 4$

Card 2/3

BIRMAN, S.Ye. (Leningrad)

Hindered torsion of thin-walled bars with a closed rectangular profile and trasverse diaphragms. Izv. AN SSSR. Otd. tekhnauk Mekh. i mashinostr. no. 1:18-29 Ja-F '61. (MIRA 14:2)
(Torsion)

S/179/60/000/01/019/034
E081/E535

Investigation of the Stress State in Double Cantilever Panels

results from Ref 1, the stresses σ_y , σ_x , τ_{xy} are obtained as (1.4) or, by putting $y = a\eta$, expanding σ_h and σ_h in powers of a , and neglecting terms in the series containing higher powers of a than the first, by Eqs (1.5). In order to assess the accuracy of the approximate solution, the problem of the concentrated forces shown in Fig 1 is considered and compared with the accurate solution of Filon (Ref 5). Using the functions (2.1) the stress components are found as (2.2) with the contour residue (2.3). This gives the stress components (2.4) and the complete solution is found by superposing (2.2) and (2.4). Putting $b/a = \alpha$, the shear stress on the section $x = 0$ is given by (2.5). The stresses calculated from this formula for $\alpha = 0.10$ are plotted as curve 1 in Fig 2; curve 2 is plotted from Filon's data for comparison. For a double cantilever panel loaded with concentrated forces (Fig 3), the stresses are given by (3.2) with residue on the contour Card 2/3 (3.3) and corresponding stresses (3.4). The complete

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40179

S/020/62/145/005/004/020
B112/B104

AUTHOR: Birman, S. Ye.

TITLE: A problem in the theory of elasticity concerning displacements in an infinite band

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 145, no. 5, 1962, 1016-1018

TEXT: The author uses the method of contour-adjoint functions to solve a problem for displacements, the analogon of which for tensions he had solved in earlier papers (DAN, 62, No. 22 (1948); Prikladn. matem. i mekh., 14, No. 6 (1950); DAN, 93, No. 6 (1953)). The equations

$2\mu(u - iv) = ((2k-1)/2)\overline{\Phi(z)} - \Phi(z)/2 + iy\Phi'(z) - a\psi(z);$
 $X_x + Y_y = 2R\Phi'(z); Y_y - X_x + 2iX_y = 2a\psi'(z) - 2iy\Phi''(z)$ are considered in the infinite band $(-a \leq y \leq a; -\infty < x < \infty)$. The functions $P(z)$ and $Q(z)$ are said to be contour-adjoint if they have real values on the real axis and if $P(x + ia) = r(x) + ip(x)$, $Q(x + ia) = q(x) + ir(x)$ on the contour of the band. Four problems are investigated which are reduced to the
 Card 1/2

BIRMAN, U.I., inzh. (Omsk)

Reducing the cost of welding and assembling in pipeline construction.
Stroi. pred. neft. prom. 3 no.6:21-22 Je '58. (MIRA 11:7)
(Pipelines)

BIPMAN, U.I., inzh. (Omsk)

Expand the use of progressive practices. Stroi. truboprov. 5
no.7:31-32 J1 '60. (MIRA 13:9)

(Pipelines-~~welding~~)

BIRMAN, U.I., inzh.

Assemblage and welding of sections without frames. Stroi. truboprov.
6 no.3:19-21 Mr '61. (MIRA 14:3)

1. Stroitel'no-montazhnyy uchastok No.7 tresta Nefteprovodmontazh,
Omsk.

(Pipe)

COMMON ELEMENTS		PROCESS AND PROPERTIES INDEX	
77 Electrodeposition of Lead-Tin Alloys. P. P. Beliaev and Ya. N. Birman (Norsk. Tekn. (Tech. News), 1936, (42/43), 21; C. Ab., 1937, 31, 2035).— [In Russian.] A substitution of the tin underlayer in the steel body of bearings with a 30% lead-tin alloy, electrodeposited, improves the bearings. Electrolytic solutions can be used, of the composition: (1) 0.5N-PbSiF₆, 0.3N-SnSiF₆, 0.25N-H₂SiF₆, 0.5% H₂BO₃, and 1 gm./litre of glue; and (2) 0.5N-(C₂H₅(OH)SO₃)₂Pb, 0.3N-(C₂H₅(OH)SO₃)₂Sn, 0.25N-(C₂H₅(OH)SO₃)₂H, and 1.5 gm./litre of glue. The anode consists of lead 50 and tin 50%. The deposition was performed with a current density of 1.5-2 amp. in.² at room temperature, and a duration of 16 minutes. Before being covered with Babbitt, the layer was heated to 180°-200° C. and wetted with a flux consisting of a solution of 5% hydrochloric acid and 15% zinc chloride.—S. G.		6	
ASB-55A METALLURGICAL LITERATURE CLASSIFICATION			
15000 DIVISION		FROM 500170	
150000 MAP ONE 001		RELATIONS	
1500000 MAP ONE 001		RELATIONS	

108

4

Electrodeposition of a lead-tin alloy for use in the machine industry. P. I. Belyaev and Ya. N. Birman. *Vestnik Metallopro.* (U. S. S. R.) 17, No. 9, 88-85 (1937).

The electroplating of steel with a Pb-Sn alloy as a base for lath is more economical than the hot dip tinning method. A necessary step for successful electroplating is that preliminary to plating the steel be heated to 180-200° and then pickled in a soln. of HCl + ZnCl₂.

Madorsky

ASO-35A METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND EDITIONS		PROCESSING AND PROPERTIES INDEX	
Chromium coating of cylinders, piston rings, and the like. Ya. N. Birman, K. N. Goncharenko, and G. I. Tapolin. U.S.S.R. 60,583, Oct. 31, 1947. The Cr coating is carried out in an electrolyte containing 180-250 g/l. H_2SO_4, 2-3 g/l. CuO, and trivalent Cr not over 10 g. per l. The bath is kept at 62-74° and the c.d. is 30-80 amp. per sq. dm. Following this, the object is treated anodically to produce a porous Cr deposit. M. Hosh			
ASB-31A METALLURGICAL LITERATURE CLASSIFICATION			
FROM SYMBOLS		FROM SYMBOLS	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	

BIRMANAC, Dusan, dr.

Therapy and observations on postpartum urine retention. Med.
glasn. 13 no.7:381-383 J1 '59.

1. Ginekolosko-akusersko odeljenje Opste bolnice u Pancevu,
sef: dr G. Bogdanov.
(LABOR compl.)
(URINATION DISORDERS ther.)

BIRMANAC, Dusan, dr.

Practical contribution to the oxytocin test in obstetrics. Med. glasnik.
14 no.11:533-535 N '60.

1. Ginekolosko-akusersko odeljenje Opste bolnice u Pancevu (Sef:
dr G. Bogdanov).

(PREGNANCY) (OXYTOCIN pharmacol)

SCHUMACHER, Gebhard, dr; BIRMANAC, Dusan, dr

Intravenous stimulation therapy in gynecology. Med. glas. 15 no.12/12a:
478-480 D '61.

1. Univerzitetska ginekoloska klinika u Tubingen-u (Upravnik: prof.
dr H. Roemer)

(GYNECOLOGY ther) (POLYSACCHARIDES ther)

BIRMANČEVIC, Miodirka

~~MOKRAČIĆ~~AC, Momcilo; BIRMANČEVIC, Miodirka

The content and mutual relation of various oligo-elements in the leaves with special reference to their distribution in alcohol extract of the leaves; manganese and iron in the leaves. Acta pharm. jugosl. 4 no.1:38-42 1954.

1. Hemiski institut, Srpska akademija nauka, Beograd; primljeno: 1.IV.1954.

(PLANTS

*manganese & iron in alcohol extract from leaves, determ.)

(MANGANESE, determ.

*in alcohol extracts from plant leaves)

(IRON, determ.

*in alcohol extracts from plant leaves)

MOKRANJAC, M. St.; BIRMANCEVIC, M.

Colorimetric determination of small quantities of the gold reduced by carbon monoxide. Glas Hem dr 19 no.8:515-520 '54.

1. Hemijski institut Srpske akademije nauka, Beograd.

BIRMANCEVIC, M.

Yugoslavia

Statistical Principles and Methods

Collection of statistical principles and methods

Statistical Principles and Methods, Vol. 12, 1964, p. 1-100.

Abstract: Review of basic principles of statistical collections of data, standard deviation and other statistical methods in measuring accuracy of single observations and in determining the reliability of a series of observations. The text includes a list of statistical methods and a list of statistical methods.

BIRMANTAS, J. and JASINSKENE, E.I. [Jasinskiene, E.]

Photometric determination of microquantities of iron by means
of pyrocatechol violet. Zhur. anal. khim. 20 no.7:811-813 '65.
(MIRA 18:9)

I. V. Kapsukas Vilnius State University.

BIRN, Jerzy, mgr

Corrosion of welded joints made with the use of alkaline-coated electrodes; investigations made in sea water. Bud okretowe Warszawa 7 no.9:296-299 S '62.

1. Osrodek do Walki z Korozja w przemysle okretowym przy Stoczni im. Komuny Paryskiej, Gdynia.

BIRN, Leon

A case of fibroma of the knee capsule. Chir. narz. ruchu 13 no.2:173-175 1958.

1. Z Kliniki Ortopedycznej A. M. w Gdansk. Kierownik: prof. dr Z. Ambros. Gdansk ul. Swierczewskiego 4, Klinika Ortopedyczna.

(KNEE, neoplasms
fibroma, case report (Pol))

(FIBROMA, case reports
knee capsule (Pol))

BIRN, Leon

Symmetrical osteochondroecia dissecans of the hip. Chir. narząd.
ruchu ortop. Pol. 29 no.4:537-540 '64.

1. Z Oddziału Ortopedycznego Szpitala Miejskiego w Przemyślu
(Ordynator: dr L. Birn).

BIRN, Leon

Traumatic dislocations of the cervical spine in children. Chir.narz.
ruchu 23 no.1:27-32 1958.

1. Z Kliniki Ortopedycznej A.M. Gdansk, Kierownik: prod. dr Z. Ambros.
Gdansk-Warszawa, ul. Swierozewskiego 4/6/ Klinika Ortopedyczna.
(SPINE, dislocations,
traum. disloc. of cervical spine in child., ther. (Pol))

BIRN, Leon

Tuberculosis of the patella. Chir. narząd. ruchu ortop. pol.
28 no.1:89-95 '63.

1. Z Oddziału Gruźlicy Kostno-Stawowej Szpitala Miejskiego w
Przemyslu Ordynator: dr L. Birn.
(TUBERCULOSIS, OSTEOARTICULAR) (PATELLA)
(SURGERY, OPERATIVE)

YAKUSHEV, A., inzh.; SMOL'SKIY, L., inzh.; BIRNAS, I., inzh.; AKISHEV,
B., inzh.

Panel houses built of reinforced concrete elements made in plants
with conveying and flow-line equipment. Zhil.stroi. no.4/5:18-21
'58. (MIRA 12:6)

(Apartment houses)
(Precast concrete construction)

DIRECTOR, CH.
SURNAME, Given Names

2

Country: Rumania

Academic Degrees:

Affiliation: "Pasteur" Institute of Serums and Vaccines (Institutul de Seruri si Vaccinuri "Pasteur"), Bucharest.

Source: Bucharest, Stiinta si Tehnica, No 8, Aug 1961, pp 26-27.

Data: "Lyophilization."

Authors:

ALEOIU, M., Veterinarian.

BIRNAURE, Gh., Veterinarian.

GPO 981643

BIRNHAUSE, Gh.

RUMANIA

Abstract:

"Data Concerning the Installation of Active Immunity in
Pork Pest." (Abstracted from "Revista de Zootehnie si
Medecina Veterinara", Bucharest, 1963, Vol. 13, No. 3, pp. 45-46.)

"Evaluation of Certain Methods of Stimulating the Immunity
in Zoological Products Institute." (Text compiled at the "Birnhause"
Institute in Bucharest.)

Co-authors:

POPESCU, A., MD, "Pasteur" Institute, Bucharest.

BIRNHAUSE, Gh., MD, "Pasteur" Institute, Bucharest.

RUMANIA

ALBU, T., Veterinarian, BIRNHAUSE, Gh., Veterinarian, ALDOIU,
Veterinarian, TIERBA, S., Veterinarian and RUSU, V.,
Veterinarian, of the Zoological Products Research Institute (Institutul
de Cercetari si Produse Biologice "Pasteur").

"Data Concerning the Installation of Active Immunity in
Pork Pest."

Bucharest, Revista de Zootehnie si Medecina Veterinara,
Vol 13, No 3, Mar 1963, pp 45-46.

Abstract: Describes the immunity of piglets coming from
different locations, pointing out that piglets that
came from the South of the country and had never been
vaccinated were most resistant. Gives comparative results
in terms of immunization reactions, deaths, thermic
reactions and clinical manifestations as functions of
the comparative immunities of the mother sows.
Includes 1 table.

1/1

BIRNBAUM, A.E.

AUTHORS: Vterov, N.A., and Birnbaum A.E., Engineers 98-58-5-6/33

TITLE: Mechanized Laying of Stones In Hydrotechnical Concrete
(Mekhanizirovannaya ukladka kamnya v gidrotekhnicheskiy beton)

PERIODICAL: Gidrotekhnicheskoye Stroitel'stvo, 1958, Nr 5, pp 27-30 (USSR)

ABSTRACT: One of the ways to save cement in concrete mixtures, is to replace a part of the concrete mixture with large stones. The introduction of this method has been hampered by the lack of mechanization. Such a method has already been applied at hydraulic constructions in Western-Germany (Oker and Bayenburg Dams) and in Portugal Monfer Dam. Up to 50% stones can be added to the concrete mixture by using a vibration device. There is 1 graph, 2 figures and 1 table.

AVAILABLE: Library of Congress
Card 1/1

MIROSHNICHENKO, G.P.; ZAYTSEVA, G.N.; BYENBAUM, D.; BERENIKATY, A.M., akademik

Effect of X rays on the activity of aminoacyl-tRNA synthetases
(18 5 enzymes) in *Escherichia coli*. Dokl. AN SSSR 191 no. 6:1421-1424
O 1965. (MIRA 18:10)

1. Moskovskiy gosudarstvennyy universitet.

BH

Handwritten: Dielectric constant

Physical Properties & Molecular Structure

Dielectric constant of water vapour in the microwave region. G. Shankar and S. K. Chatterjee (*J. appl. Phys.*, 1962, 33, 221-223). — The dielectric constant of H_2O vapour was determined at 9280 Mc. by a cavity comparison method at ten temp. ranging from 32° to 103°. In addition, observations were made at 24,800 Mc. at the single temp. of 24.5°. Although the v.p. was raised to within 10% of the saturation value at 24.5° and 103°, the variation of $(\epsilon' - 1)/(\epsilon' + 2)$ with pressure remained linear, contrary to observations made at radio-frequencies. The constant in the Debye equation have been calculated and a dipole moment of 1.846 ± 0.005 D. found. C. H. North.

SHAPIRO, S.L.; RUSSINA, V.D.; CHERKUNOVA, I.I.; NEDOSEKIN, V.G.;
BIENBAUM, K.L.

Effectiveness of anti-influenza vaccination with formaldehyde-killed vaccines with a stimulator. Zhur.mikrobiol. epid. i immun. no.9: 13-15 S '54. (MLRA 7:12)

1. Iz Moskovskoy sanitarno-epidemiologicheskoy stantsii Oktyabr'skogo rayona (glavnyy vrach Ye.R. Ivanova).

(INFLUENZA, prevention and control,

Russian mass vacc. with formaldehyde-killed vaccines with stimulator, results)

(VACCINES AND VACCINATION,

influenza, mass vacc. in Russia with formaldehyde-killed vaccines with stimulator, results)

BIRNBAUM, M.

About a wide-band amplifier with negative tension feedback.

p. 429 (Academia Republicii Populare Romine. Institutul de Fizica. Studii Si Cercetari De Fizica. Vol. 7, no. 3, July/Sept. 1956. Bucuresti, Rumania)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,
February 1958

BIRNBAUM, M.

A probe for "Neutron-Neutron" radio-active core sampling. p. 222.

AUTOMATICA SI ELECTRONICA. (Asociatia Stiintifica a Inginerilor si
Tehnicienilor din Romania)
Bucuresti, Rumania
Vol. 2, no. 5, Sept./Oct. 1958.

Monthly list of Eastern European Accession Index (SEAI) LC Vol. 8, No. 11
November 1959
Uncl.

BIRNBAUM, M.; GASPAR, E.; ONCESQU, M.; SANDRU, P.; TEITEL, T.

Determining fluid losses in the main conduits with the aid of
radioactive tracers. Studii cerc fiz 12 no.1:115-124 '61.
(EEAI 10:9)

1. Institutul de fizica atomica, Bucuresti.

(Fluid mechanics) (Aqueducts) (Radioactive tracers)

BIRNBAUM, M.; POPESKU, V.; TAYTEL, T.

Relay-operated detector of gamma radiation. Prib.i tekhn.eksp.
6 no.5:62-64 S-0 '61.

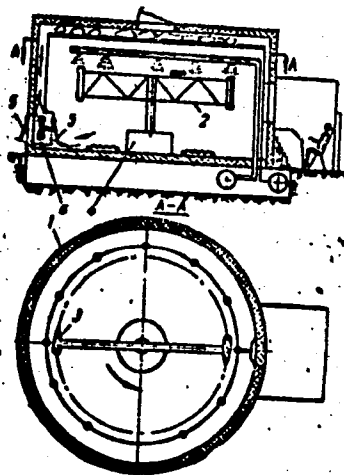
(MIRA 14:10)

1. Institut atomnoy fiziki, Bukharest, Rumynskaya Narodnaya
Respublika.

(Gamma rays)

(Nuclear counters)

ACC NR: AP6025992



1--chamber; 2--frame; 3--parts to be tested; 4--electric motor;
5--damper; 6--blower

SUB CODE: 13/ SUBM DATE: 05Jun64

Card 2/2

RUMANIA / Chemical Technology. Chemical Products and H-15
Their Applications. Industrial Organic Syn-
thesis.

Abs Jour: Ref Zhur-Khimiya, No 3, 1959, 9206.

Abstract: of cyclohexanone (III): $C_6H_{11}OH \rightarrow C_6H_{10}O + H_2$
and formation of I and II from III according to
the scheme: $C_6H_5OH \rightarrow 2C_6H_{11}OH \rightarrow 3C_6H_{10}O$. The
resulting equilibrium constants K_p for the hydra-
dration reaction of I at 150, 160, 170, 180 and
227°, respectively, equal to $1.47 \cdot 10^6$; $3.6 \cdot 10^5$;
 $9.54 \cdot 10^4$; $2.5 \cdot 10^4$, and $1.17 \cdot 10^2$, indicate that
with increase of temperature the reaction of III
formation is favored at the expense of the basic
reaction. In practise in industrial installa-
tions diminished conversion of I is noted at
temperatures > 160-170° as well as its appearance
in the products of the reaction up to 5% even in

Card 2/4

164

ROMANIA / Chemical Technology. Chemical Products and H-15
Their Applications. Industrial Organic Syn-
thesis.

Abs Jour: Ref Zhur-Khimiya, No 3, 1959, 9206.

Abstract: instead of pure H_2 , the theoretical conversion is lower as a result of the dilution effect of N_2 . However, the difference is small and is compensated for by the greater economy of the H_2 / N_2 mixture: the degree of I conversion when the content of the mixture is (in molecular %) I 20, H_2 60 N_2 20; I 11.1, H_2 66.7, N_2 22.2; and I 7.7, H_2 69.2, N_2 23.1, is respectively 0.969, 0.975, and 0.977. -- G. Markus.

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165

PROCESSED AND INDEXED BY

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CA

Potentiometric determination of oxalate and chloride in ammoniacal solution. M. H. Shchigol and S. M. Birnbaum. *Zhurnal Khim. Fiz.* 14, 1427-8 (1948). When a soln. contg. $C_2O_4^{2-}$ is titrated potentiometrically with $AgNO_3$ in aq. or ammoniacal soln., the titration curve shows a distinct break corresponding to the complete formation of $Ag_2C_2O_4$ and a larger break when all oxalate is pptd. as $Ag_2C_2O_4$. In very dil. solns. 3 distinct breaks are to be found, the last one probably caused by the titra-

tion of $C_2O_4^{2-}$ that did not form $Ag_2C_2O_4$. When both Cl^- and $C_2O_4^{2-}$ are present, a break is obtained first when all Cl^- is pptd. as $AgCl$ and then the breaks as above, but in neutral solns. the results are low for Cl^- and high for $C_2O_4^{2-}$. In ammoniacal solns. the Cl^- ions react with an ammonia-Ag-oxalate complex instead of with Ag^+ directly but $AgCl$ is the first ppt. formed.

G. M. Kozlovskii

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

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28938. BIRNBAUM, S. M. Potentsiometricheskoe Opređenje Khromatov i Khlorilov v Ammiachney Srede. Zavodskaya Laboratoriya. 1949, No. 9, s.1027-30.

SO: Letopis' Zhurnal'nykh Statey, Vol. 39, Moskva, 1949

1ST AND 2ND ORDERS										PROCESSES AND PROPERTIES INDEX										3RD AND 4TH ORDERS									
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CA

Potentiometric determination of chromates and chlorides in ammoniacal solutions. M. H. Shchigol and S. M. Birnbaum. *Zhurnal Anal. Khim.* 15, 1027 (1940); cf. *Chem. Abstr.* 34, 1537. Although titration of K_2CrO_4 with $AgNO_3$ in aq. soln. gives potential jumps corresponding to the formation of $AgCrO_4^-$ and of the pptn. of Ag_2CrO_4 , titrations in NH_4OH solns. give 3 potential jumps: formation of $(Ag(NH_3)_2(CrO_4))^{2-}$, that of $(Ag(NH_3)_2CrO_4)^-$, and, finally, that of $(Ag(NH_3)_2)_2CrO_4$; the latter break is very clear in 0.1 N NH_4OH but vanishes when the amt. of NH_4OH is reduced considerably. It is possible to det. both Cl^- and CrO_4^{2-} potentiometrically in solns. contg. NH_4OH , especially in the presence of a little NH_4NO_3 , by titration with $AgNO_3$. The 1st break is given by Cl^- , the 2nd by CrO_4^{2-} .
G. M. Kosolapoff.

7

Potentiometric determination of chromates and di-
chromates in mixtures. M. N. Shokhad and S. M. Dym-
baum (Kh. v. Med. Inst.). *Zashchita Lab.* 18, 130 (1950).—Titrate the sample potentiometrically with NaOH
and use a Pt-Pt black electrode to give the total Cr,
and make the chromate detn. on a sep. sample by argen-
tometric titration in NH_4OH with the Ag electrode.
G. M. Kosolapoff

Distr: 4E2C(j)

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JAS(MA)(RA)

/Linear polycondensation products with a furan ring in the macromolecular chain. I. Polyesters of 2,5-furandicarboxylic acid with ethylene glycol. I. Minter and Simona-Bimbaum. Rev. chim. (Bucharest) 9, 426 (1958).—A mixt. of 2,5-furandicarboxylic (F) acid and its Me monoester was prepd. by oxidizing furfural to furonic acid, esterifying the latter, chloromethylating the Me ester, and oxidizing the ClCH_2 group with HNO_3 . This (1) part was then converted to the di-Me ester, in 112°, and esterified with 5 vols. 16 parts in the presence of Zn acetate, based on 1, at 210°, this temp. being attained gradually in 3 hrs. On removal of the glycol, condensation product was recovered as a granular material which may be used as a condensate fiber.

SIPOS, Gh.; BIRNEANU, Ecaterina

Preliminary data on the behavior of some varieties of winter barley
at the experimental agricultural station of Lovrin, the Banat region.
Studii agr Timisoara 8 no,1/2:105-108 '61.

(Rumania--Barley)

BIRNEANU, V.

Variation of soil temperature and air humidity of some field cultures. Studii agr Timisoara 8 no.1/2:109-117 '61.

(Soil temperature) (Humidity)

BIRNER, Z.

BIRNER, Z. Organization and work methods of divisions for technical control in ceramic tile factories. p. 293

Vol. 34, no. 8, Aug. 1956

STAVIVO

TECHNOLOGY

Praha, Czechoslovakia

So: East European Accession Vol. 6, no. 2, 1957

BIRNER, ZDENEK

Pizensko (Vyd.1.) Praha, Sprotovni a turisticke nakl., 1957. 114 p. (Oblastni turisticky pruvodce, chs. 3) (The Pizen region; a tourist guide. 1st, ed. illus., fold. map, bibl., indexes)

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 5, May 1958

BIRNO, L.
IASZLO, I.; BIRNO, L.; NEUWIRTH, M.

Preparation of antibiotic-containing paper discs by impregnation method.
Kiserletes orvostud. 9 no.3:316-319 July 57.

1. Debreceni Orvostudományi Egyetem Gyógyászati Intézete és
Mikrobiológiai Intézete.

(ANTIBIOTICS

antibiogram prep. for testing bact. sensitivity (Hun))

BIRO, A.

"Some Problems of Economical Management of Our Lumber Industry", P. 203,
(FAIPAR, Vol. 4, No. 7, July 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions, (ERAL), LC, Vol. 3, No. 12,
Dec. 1954, Uncl.

BIRO, A.

BIRO, A. - Faipar - Vol. 5, no. 5, May 1955.

Veneer manufacture by the Bartrev process using radio frequency. p. 115.

SO: Monthly list of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955
Uncl.

BIRO, A.

Paper chromatography by means of a "line oven." P. 245.

MAGYAR KEMIAI FOLYOIRAT. (Magyar Kemikusok Egyesulete)
Budapest, Hungary, Vol. 65, no. 7, July 1959

Monthly List of East European Accessions, (KEA) LC, Vol. 9, no. 1
Jan. 1960 Uncl.

BIRO, Andras, dr.

A case of simple ulcer of the jejunum perforating into the abdominal cavity. *Magy sebészeti* 13 no.6:379-382 D '59.

1. A baroti Egyesített Kórház (Roman Népköztársaság) sebészeti osztályának közlése (Igazgató-osztályvezető szakorvos: Lorincz Béla dr.)

(JEJUNUM dis)
(ULCER)

BIRO, Aranka; KOCSIS, Gyorgy

Studies on the desoxyribonucleic acid content in psoriatic squamæ.
Borogygy. vener. szemle 37:71-73 '61.

1. Szegedi Orvostudományi Egyetem Bor- és Nemibetegklinika közleménye
Igaskato: Ravnay Tamás dr. egyetemi tanár.

(DESOXYRIBONUCLEIC ACID metab)
(PSORIASIS metab)

BIRO, Andras (Szeged)

Line oven in paper chromatography. In English. Acta chimica Hung.
21 no.2:143-151 '59. (KHA I 9:4)

1. Institute for Inorganic and Analytical Chemistry, University of
Szeged, Szeged.

(Chromatography)

BIRO, Andras

Sensitive 144 MHz receiver. (To be contd). Radiotechnika
10 no.11:340 N '60.

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1. Szegedi Tudományegyetem Szervetlen és Analitikai Kémiai Intézete,

BIRO, Andras (HG 5 KBP)

Sensitive 144 MHz reciever. Radiotechnika 11 no.2:40-41 P '61.

BIRO, Andras, HG 5 KBP

Possibilities for long-range ultrashortwave connections by means
of meteor trace. Radiotekhnika 12 no.6:174-175 Je '62.

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Dedication of a transmitter in Debrecen. Radiotechnika 13
no.1:16 Ja '63.

1. "Radiotechnika" rovatvezetoje.

BIRO, Andras (HG 5 KBP)

Yugoslav experiences with the September 1962, ultrashortwave contest. Radiotechnika 13 no.2:57 F '63.

1. "Radiotechnika" rovatvezetoje.

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Paper chromatography with line oven. Magy kem folyoir 65
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1. Szegedi Tudományegyetem Szervetlen és Analitikai Kémiai
Intézete.

CSERNAY, Laszlo, dr., BIRO, Andras, dr.; VARRO, Vince dr.

Study on lipid absorption by means of I-131 labelled triolein
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1. Szegedi Orvostudományi Egyetem, I. Belgyógyászati Klinika.

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KOVACS, K.; CSERNAY, L.; DAVID, Margit A.; LASZLO, F.A.; BIRO, A.

Haemodynamical changes in cortisone-treated hypophysectomized rats. Acta med. acad. sci. Hung. 21 no.2:141-148 '65.

1. First Department of Medicine, University Medical School, Szeged. Submitted May 3, 1964.

CZERNAY, Laszlo, dr.; BIRO, Andras, dr.; VARRO, Vince, dr.

On the blood circulation of the small intestine. Orv. hetil.
106 no.26:1206-1207 27 Je'65.

1. Szegedi Orvostudományi Egyetem, I. Belgyógyászati Klinika
(igazgató: Julesz, Miklos, dr.).

BIRO, Andras, dr.; LORINCZ, Bela, dr.; JAKOB, Ilona, technikai munkatars.

Our experiences with blood and fluid infusion through the
subclavian vein. Orv. hetil. 105. no.6:265-266 9 F'64

1. Baraolti Egyesitett Korhaz Sebészeti Osztaly (Roman Nepkoztar-
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SZABO, Pal Zoltan; JONAS, Klara, dr.; VARADI, Gyorgy; BIRO, Antal;
UPOR, Endre; RADO, Aladar; CZIRJAK, Imre; KOVACS, Jeno;
VALKO, Endre, dr.; ADONYI, Ivan; FODOR, Gyorgy; OSZETZKY,
Egon; KALMAR, Pal; DANYI, Dezső; GYORGY, Karoly; OVARI, Antal;
PHILIP, Miklos; BAKAI, Laszlo; JOO, Oskarne; SZITAS, Lajos;
HELLENYI, Miksa; KOLTA, Janos.

Formation of an uniform country organization for the Federa-
tion of Technical and Scientific Associations. Pecsí musz
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1. "Pecsi Muszaki Szemle" főszerkesztője (for Fodor).
2. "Pecsi Muszaki Szemle" szerkesztője (for Hellenyi, Kolta
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On the calculation of convective heat transmission in the
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2 no.3:62-66 Mr '61.

1. Tudományos osztályvezető, Kohó és Gépipari Minisztérium
Hőtechnikai Kutató Allomás.

BIRO, Attila

Problems of high-temperature needle recuperators.
Ipari energia 2 no.8/9:202-205 Ag-S '61.

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BIRO, Attila

Calculation of circulating heat transfer in industrial furnaces
by means of model experiments; excerpts from an article. Musz
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Modernization of the soaking furnaces of the old blooming mill at
Diosgyor. Koh lap 93 no.11:518-521 N '60.